

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Pratt et al.

SERIAL NO.: 10/691,802

FILED: October 22, 2003

TITLE: Apparatus and Method for
Penetrating Oilbearing Sandy Formations...

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Group Art Unit: 3641

Examiner: James S. Bergin

Confirmation No. 6673

Atty. Docket No.: COR-1075-US

Rule 131 Declaration

1. My name is Timothy LaGrange. I am a well tool designer and my expertise has been predominantly focused on tooling for completing subterranean wells used for the production of hydrocarbons.
2. I have personal knowledge of the design and operation of pipe cutters used for cutting pipe installed in subterranean wells. I have personal knowledge of the design and operation of shaped charges used to create perforations in well casing and liners.
3. Typically, pipe cutters are used to sever pipes that are to be removed from the wellbore. Pipe cutters are intended to provide a wide blast zone to fully sever the full circumference of the pipe. The integrity of the pipe is typically not a design consideration.
4. Typically, wellbore shaped charges are intended to create perforation in a well casing or liner so that formation fluids can flow into the well casing or liner. Shaped charges are intended to provide relatively small perforations in the casing or liner. The integrity of the casing or liner is a design consideration. For example, if a perforation caused by a shaped charge is too large, then the casing or liner may collapse and block the flow of hydrocarbons into the well.
5. I have been warned that willful false statements and the like are punishable by fine or imprisonment, or both and may jeopardize the validity of the above-referenced patent application or any patent issuing thereon. All statements made of by my own knowledge are true and that all statements made on information and belief are believed to be true.


Timothy LaGrange

Dated: June 10, 2007